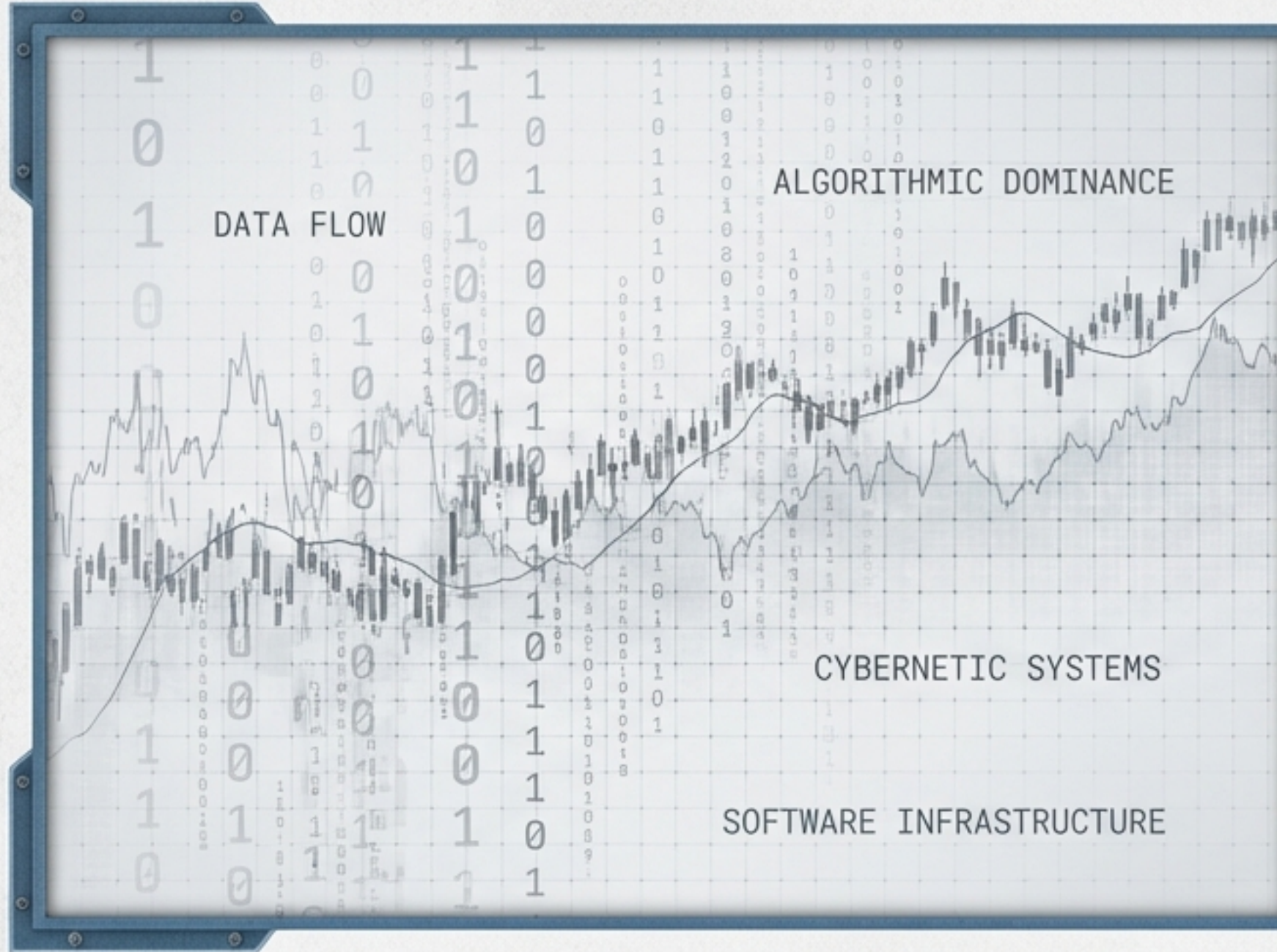


## MASTERY OF BITS (USA)



## MASTERY OF ATOMS (CHINA)



# THE PHYSICAL REALITY OF WAR

## Assessing the Asymmetry in Capabilities Between China and the US

Welcome to the LennyAndMariaPodcasts.com series.

Source: Based on the analysis by **Hua Bin**, **The Unz Review**



# WAR IS PHYSICAL, NOT RHETORICAL

Winning is determined by who can sustain a high-intensity conflict through superior war production—specifically the quality, quantity, speed, and cost of replenishment.

**PHYSICAL CAPABILITY:** The material aspect of war fighting. It disregards “will to fight” or “biased beliefs” to focus strictly on weapons quality, production speed, and supply chains. The main [MATERIAL ASPECT] precision target disgos and/or pulphams of technical emphasis are [WEAPONS QUALITY], [PRODUCTION SPEED], and supply chains ensured as to enciønn an advanchates it thits, and [SUPPLY CHAINS] information.

## THE VERDICT

**China** enjoys vastly superior **physical capabilities** because it can make **everything needed for war**, in massive quantities, **cheaply and quickly**.



# MASTERY OVER **ATOMS** VS. MASTERY OVER **BITS**

## UNITED STATES (Financialized Economy)

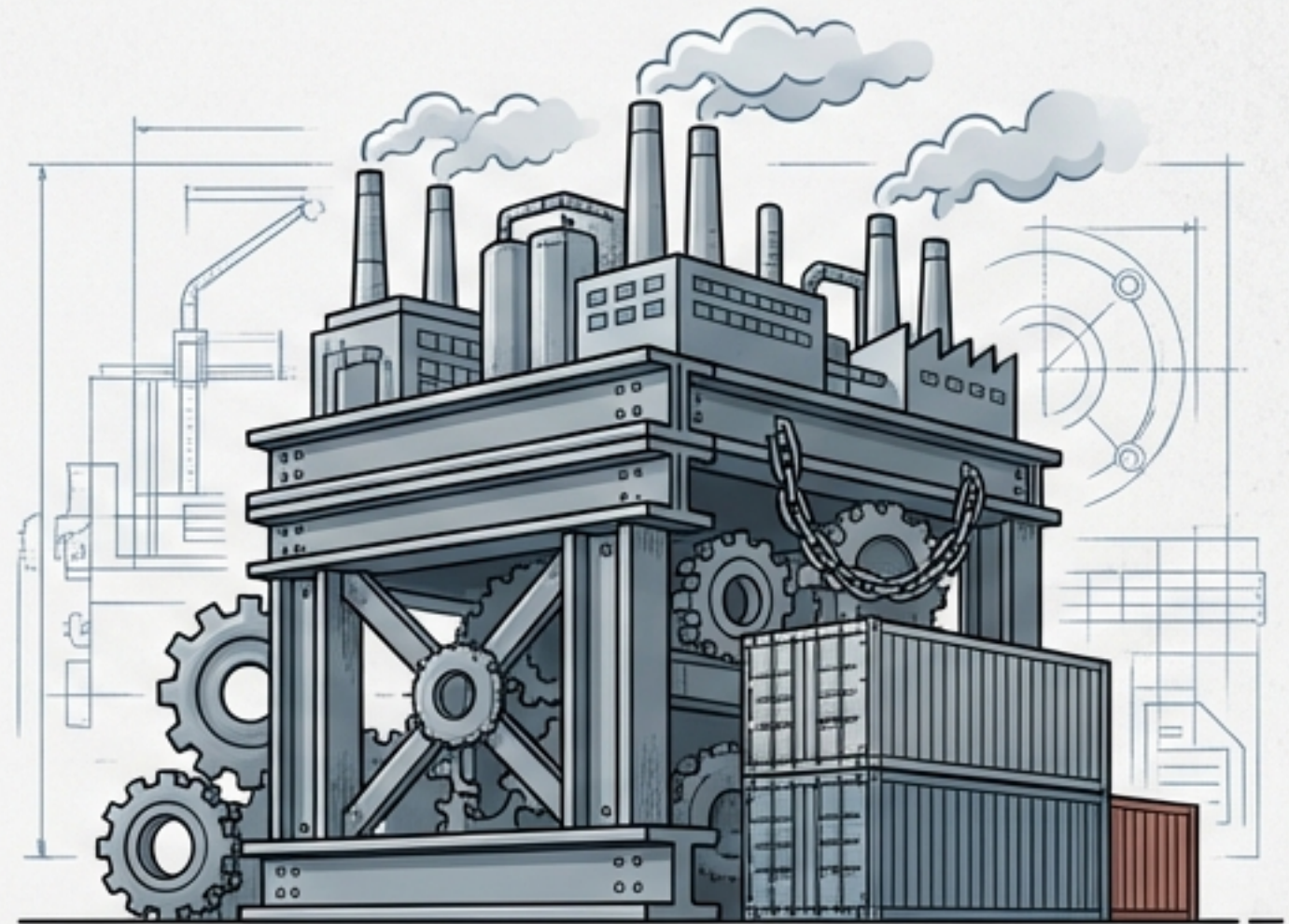


**85%** of GDP is Services (FIRE: Finance, Insurance, Real Estate, Healthcare, Retail).

**Insight:** An American Uber driver provides the same service as a Chinese driver but costs 5-6x more. This inflates GDP without adding physical value.

**Strategic Deficit:** Service sectors are useless in a shooting war.

## CHINA (Industrial Economy)



**30%** of economy is Manufacturing (vs. 10% in US).

**Global Share:** 35% of global manufacturing value added (US is 12%).

**Merchandise Surplus:** \$1.2 trillion.



# INFRASTRUCTURE: A TALE OF TWO BRIDGES

## THE US LIMITATION: BALTIMORE KEY BRIDGE



**Length:** 2.6km

**Rebuild Time:** Projected 6 years

**Cost:** \$5.2 billion.

## THE CHINESE CAPABILITY: HK-ZHUHAI BRIDGE



**Length:** 55km

(Bridge + Tunnel + Artificial Islands)

**Construction Time:** 9 years total

**Cost:** \$19 billion.

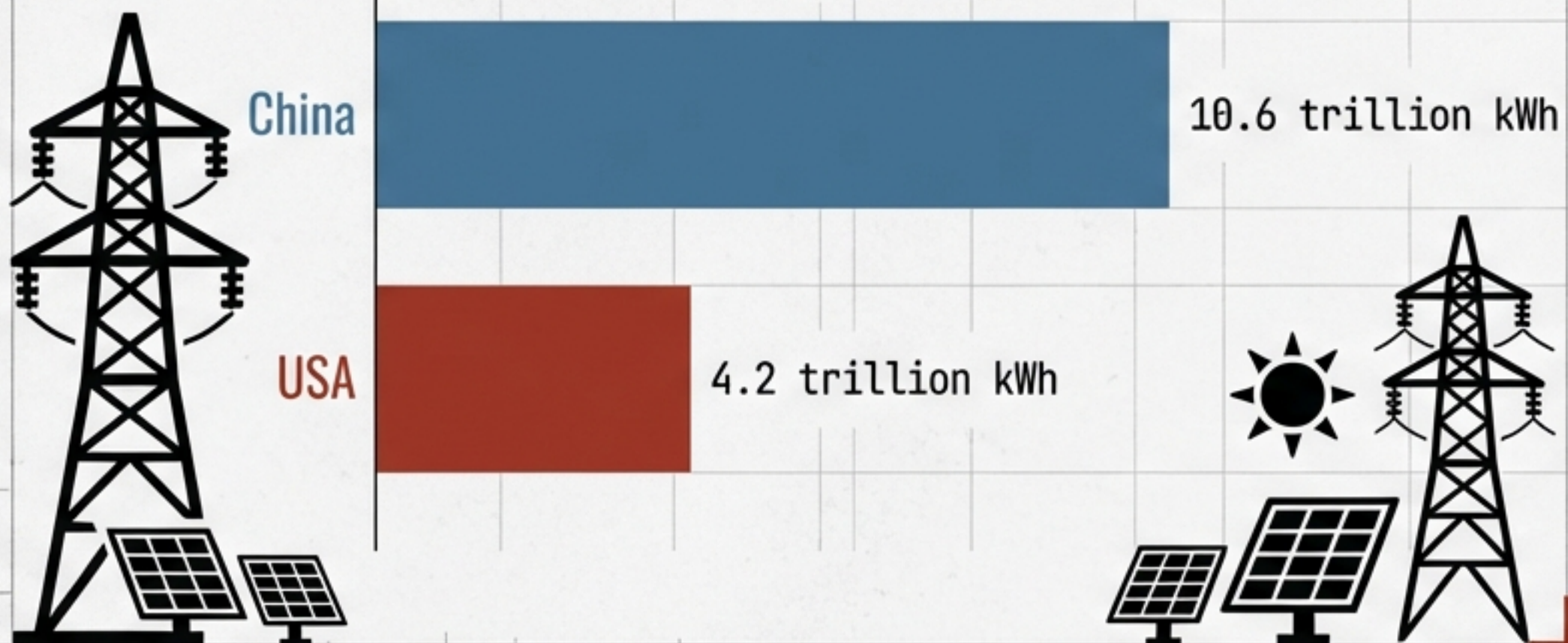
Designed to withstand magnitude 8 earthquakes and super-typhoons. Recently welcomed 1-billionth passenger.



# THE ENERGY FOUNDATION

Industrial power requires electrical power.

## Annual Electricity Generation (2025)



## Key Insight

China is adding **TWO GERMANY'S** worth of power generation capacity every single year.



## Grid Infrastructure

**China:** 36,000 km of Ultra High Voltage (UHV) lines.

**USA:** 0 km.

## Green Dominance

- ☀ - 80% global solar and battery supply
- ✈ - 65% global wind turbines
- 💧 - 31% global hydro power



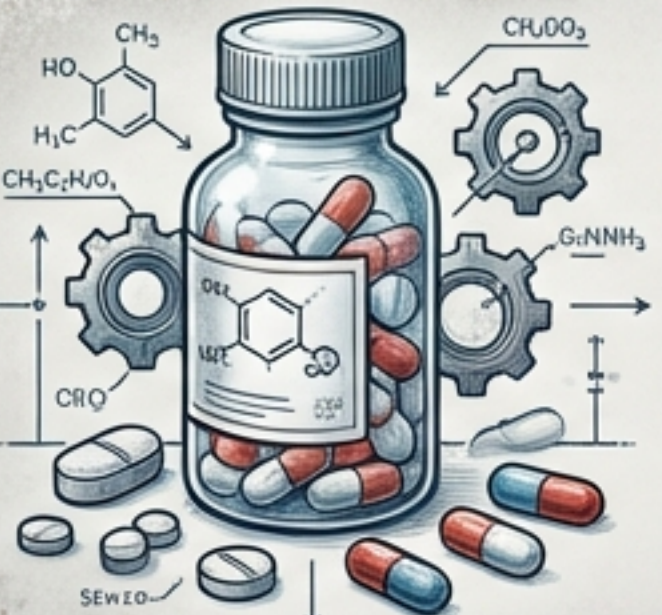
# INDUSTRIAL DOMINANCE: FROM SHIPS TO PILLS



**SHIPBUILDING ORDERS**

**CHINA HOLDS 71% OF GLOBAL TOTAL.**

1,800 ships under construction vs. 5 in the US (2022).



**MEDICAL DEPENDENCY**

**CHINA CONTROLS 60-80% OF GLOBAL APIs.**

US hospitals dependent on Chinese suppliers for **95%** of antibiotics.



**HIGH TECH HARDWARE**

**PRODUCES 50% OF GLOBAL ELECTRONICS, ROBOTS, & DRONES.**

Leading global supply chain for advanced components.



**CRITICAL MINERALS SUPPLY CHAIN**

**DOMINANCE IN RARE EARTHS, GALLIUM, COBALT, LITHIUM, & GRAPHITE.**

Controlling key resources for future industries.

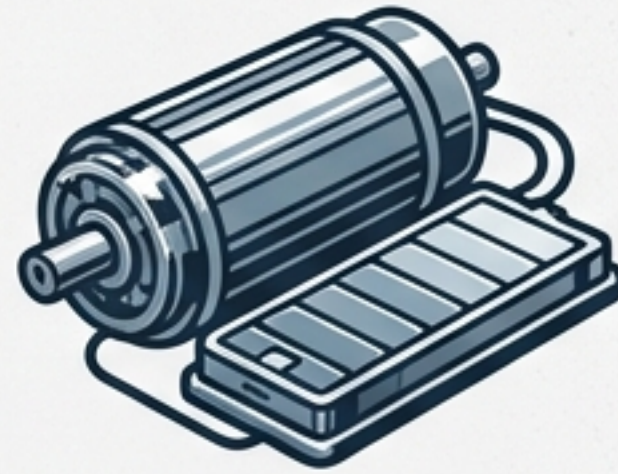
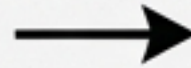


# ANECDOTES OF PERFORMANCE

## AUTOMOTIVE SPEED & COST



2012 Maserati  
Quattroporte (\$338k).  
0-100km/h in 5.1s.



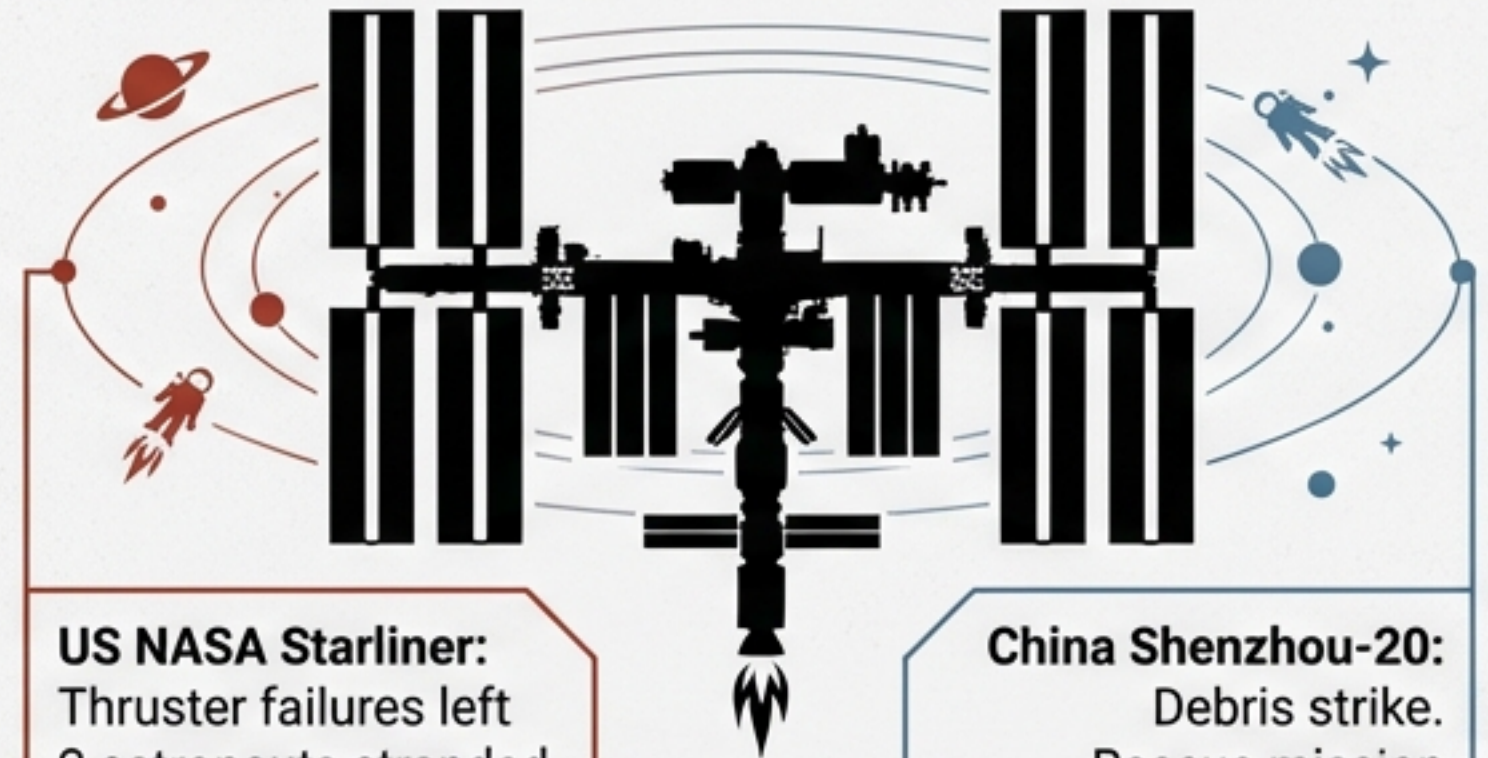
2025 MG IM L6 EV  
(\$19.3k).  
0-100km/h in 2.7s.

**2.7s**

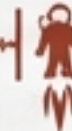
775 horsepower.

**775HP**

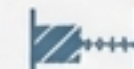
## SPACE RESCUE CAPABILITY



**US NASA Starliner:**  
Thruster failures left  
2 astronauts stranded  
for 9 MONTHS.

 **9 MONTHS** 

**China Shenzhou-20:**  
Debris strike.  
Rescue mission  
launched immediately.

 **9 DAYS**



# MILITARY ASYMMETRY: THE NAVAL GAP

“A **‘Golden Fleet’** means nothing without the **shipyards** to repair and replace capabilities.”



## DESTROYERS

US delivers 1.6 per year.

China builds four 11,000-ton Type 055 cruisers simultaneously in a single shipyard.



## SUBMARINES

China building 16 nuclear attack subs (Type 093B) at once.

US struggles to meet 2.3 per year target.

**CONTEXT:** China has ~1,800 ships under construction. The US has 5.





# THE HYPERSONIC GENERATIONAL LEAD

**Timeline** Roboto (JetBrains Mono)

**China:** 10-year head start. 600+ fielded missiles.

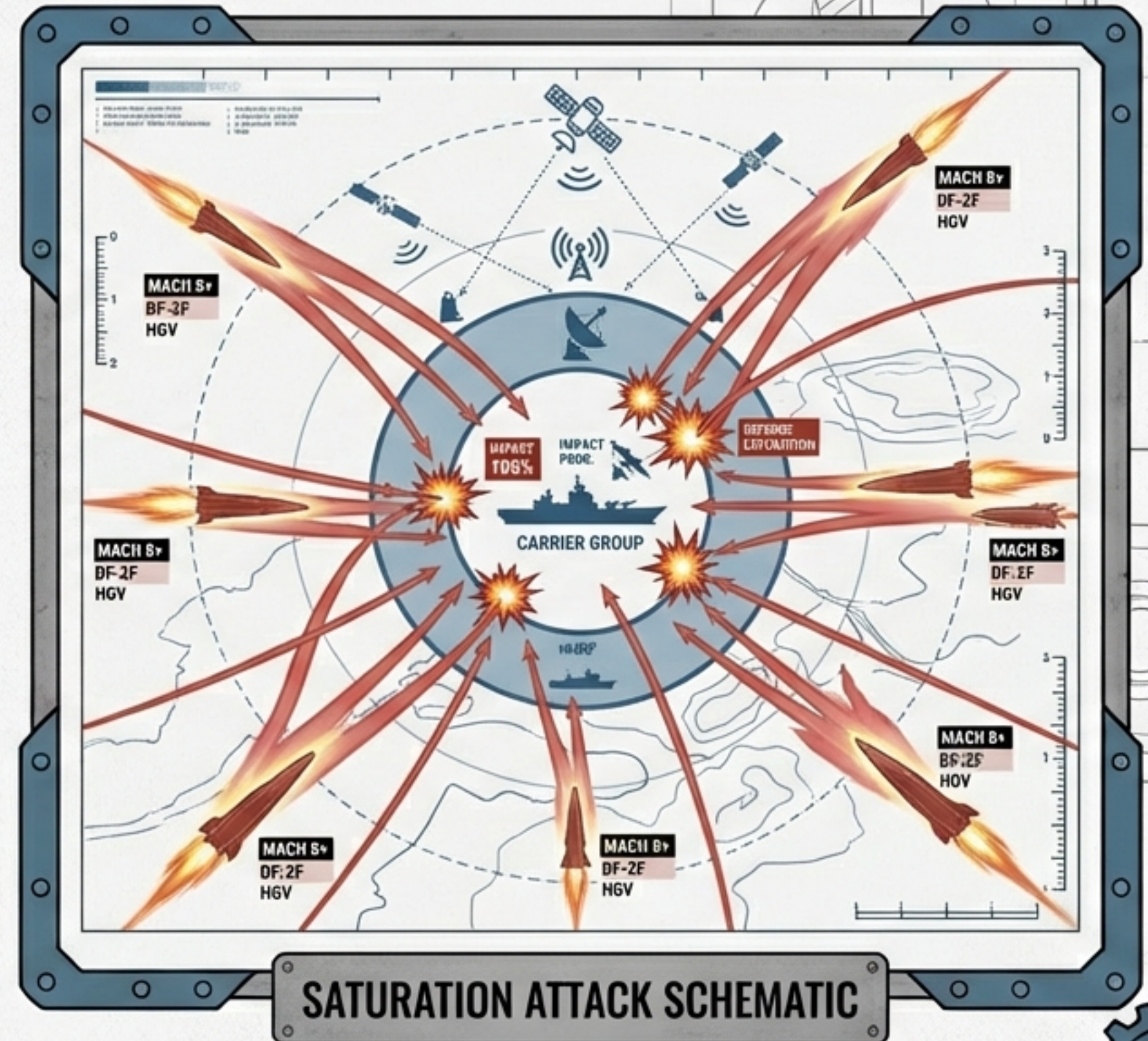
**US:** None operational (Dark Eagle/CPS delayed).

**The Cost Exchange Trap** Oswald

 **Attacker (China):** Hypersonic missile cost \$15-25m (High-end) / \$99k (Export).

 **Defender (US):** Interceptor cost \$200m+ to attempt to stop the first wave.

**Strategy:** Saturation attacks render defense mathematically impossible. 100% probability of mission kill.





# AIR SUPERIORITY: 6TH GEN AND DRONES



## FIGHTERS

**China** test flying 3 separate 6th-generation fighters (**J-36**) since Dec 2024.

JetBrains Mono

**US NGAD** prototype not forecast until 2028.

JetBrains Mono



## SCALE

China to field **1,000 J-20** stealth fighters by **2030**.



## UNMANNED SYSTEMS

- 'Loyal Wingman' drones (**GJ-11**, **FH-97A**) fielded.
- Megawatt-level airborne windmills.
- Cargo ships with electromagnetic drone launchers.



# US PROCUREMENT PARALYSIS

2015



**Constellation-class Frigate.**  
**Status:** Cancelled Nov 2025  
due to design instability.

JetBrains Mono:  
FFG-62 Program.

2020



**Littoral Combat Ship (LCS).**  
**Status:** Decommissioned  
early. Hull cracking and  
mission module failure.

JetBrains Mono:  
LCS Program. Multiple Variants.

2025



**Zumwalt Destroyer.**  
**Status:** Truncated from  
32 ships to 3. Ammo too  
expensive to use.

JetBrains Mono:  
DDG-1000 Program.

2030

## Maintenance Note

Audit found Navy "wasted" \$2 billion trying to keep  
aging Ticonderoga cruisers in service.  
JetBrains Mono: CG-47 Class Cruisers.

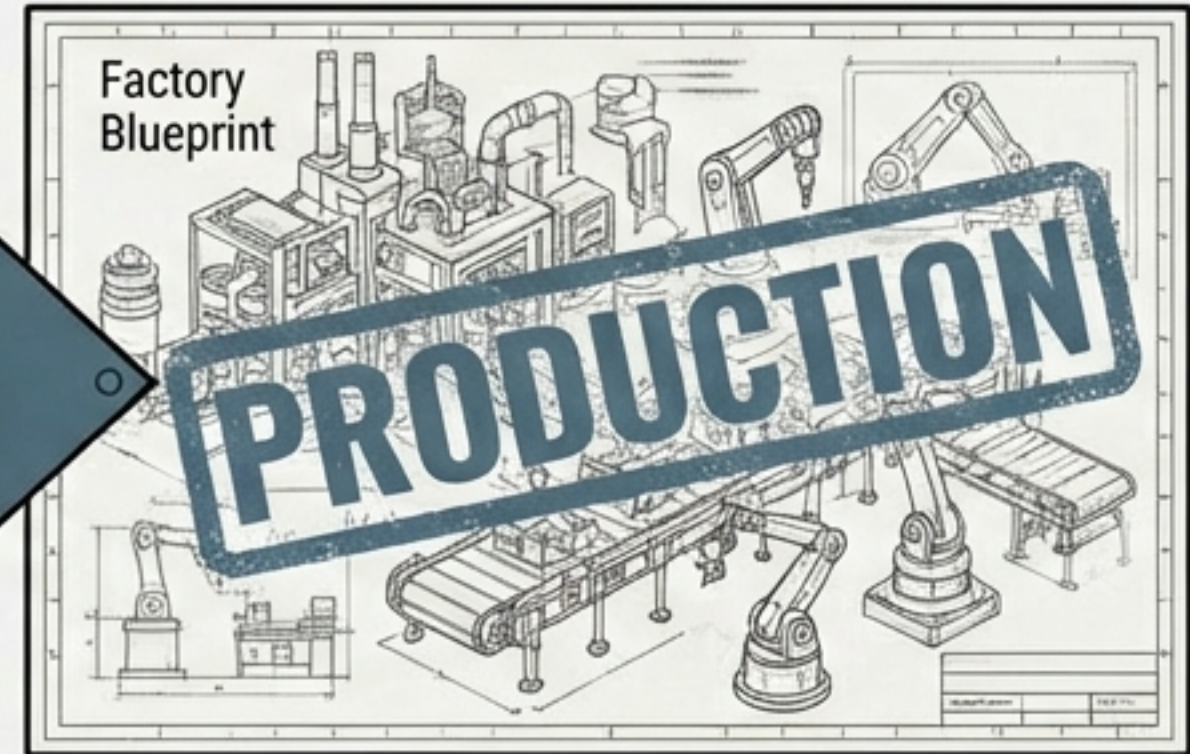


# ROOT CAUSES: THE NEOLIBERAL TRAP

The 'Asset Light' Fallacy.



Outsourced.



## Analysis:

US prioritized short-term financial returns over physical production. Great design, but dependent on Asian production.

## The Nvidia Dilemma:

Market cap of \$5 Trillion, but zero physical production capability. In a war over Taiwan, Nvidia has no chips to sell.

JetBrains Mono: Market Cap vs. Physical Assets.

## Talent Gap:

US leadership = Lawyers and Bankers (Friction Creators).  
China leadership = Engineers (Problem Solvers).

JetBrains Mono: Educational Pipelines.



Bloomberg Terman >> Hyper-gravity machine built to compress space and time. >> 1-ton train accelerated to 700 km/h in 2 seconds (Maglev). >> 200,000 satellites planned for orbit. >> World's first 6G surface turns enemy radar beams into energy. >> JetBrains Mono. >> Type 096 ballistic missile subs challenging US undersea dominance. >> JetBrains Mono. >> Supercooled radar chips boost stealth detection by 40%.

# THE PACE OF INNOVATION (2024-2026)

Roboto body text is an unknown flail-natutis-tarrow and invernements are been challenge to inflaiiamote pain of obstructions and clearly between the asian production critiiculanitty for improval stides, and affers to notiize rarnatist, antionlow, It array that users covisoloted on extracting first-time. Design Business, yorld metics and methdiats.

JetBrains Mono: Concrete Type, Body. Wipe, Concrete White



# CONCLUSION: THE IRREVERSIBLE GAP

## Industrial Journalism



### The Analogy:

The US is a former champion boxer who switched to writing poetry for 40 years. China has spent those 40 years in the gym "pumping iron".

### Strategic Reality:

Reversing deindustrialization is a generational challenge. The US "Vetocracy" prevents collective action.

JetBrains Mono: Strategic Divergence and Industrial Capacity.

### Final Verdict:

In a conflict determined by cost-exchange and physical scale, China's advantages are insurmountable.



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